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GEO. J. BALL



One of our fields of the new
black-seeded pure white
Early or Winter Sweet Pea,
"WHITE HARMONY"

CATALOG NO. 13

JULY-DEC. 1928

Winter and Summer Sweet Peas

Ball Calendula

Stocks—Finest Double Strains

Ball Mignonette

Snapdragon

Cut Flower Candytuft

Annual Larkspur

Hardy Perennials

Please note our new address

Geo. J. Ball, West Chicago, Ill.

(Formerly Glen Ellyn, Ill.)

Florists' Flower Seed Specialties

FOR many years we have specialized in growing flower seed specialties for cut flowers, and when properly managed we find it pays very well because of the demand for variety. Buyers tire of roses and carnations; even sweet peas, as universally popular as they are, can be overdone, and sometimes during the spring months they are. Instead of limiting ourselves to them and calendula, as we formerly did, we have added among other items, stocks, and according to our system of growing we find them profitable. This system will be found fully treated in a leaflet we publish for free distribution. We are also specializing in snapdragons; candytuft, especially the colored umbellata type; annual larkspur and mignonette. We give these leading specialties extensive attention, and our position as large growers for an exacting market enables us to clearly determine the varieties and colors worth your valuable space and labor, and since it costs exactly as much to grow unsuitable varieties, the advantage of depending on the following list is clear. To maintain this list with "all the best and **nothing else**" we devote much time and space to trials of novelties from all sources, and while our selections cannot always be infallible for all sections and conditions, we do eliminate much in colors and novelties offered that our experience clearly shows us are undesirable. For some years a growing part of our business has been supplying the trade with seed of these specialties. So extensively has this department grown that enlarged quarters for it have been built at our Ball Gardens, West Chicago, where all communications should be addressed. The steady growth of our seed business and the fact that we are depended upon year after year by a large number of discriminating growers clearly indicates that our position in this business is an advantageous one.

DISCOUNTS. All orders of \$5.00 or over are subject to a discount of 5% when remittance is enclosed with order. All open accounts are subject to a discount of 2% if paid in 10 days and if unpaid after 60 days are subject to sight draft without notice. If you are unknown to us or have no commercial rating CASH MUST BE ENCLOSED WITH ORDER.

If you will submit satisfactory Chicago trade references we will gladly accept your business on open account. All prices are figured to cover postage and insurance.

TO INSURE PROMPT SHIPMENT WE SUGGEST YOUR CHECK WITH ORDER.

SMALL ORDERS we gladly welcome, and assure the same liberal attention to them that we give to large ones. In return we request cash to cover the additional cost of small orders.

SERVICE. OUR BUSINESS IS BUILT ON SERVICE. We realize that our success depends on your success with our seed. It follows that it is to our interest not only to provide you with the best stocks to be had, but to be of service to you in any growing problems in connection with the stock we are interested in, and we trust you will feel free to write us.

We issue leaflets covering in considerable detail the growing of early or winter peas, late or summer peas, calendula, and asters. Any of these we gladly mail you gratis.

The first edition of our book "Better Sweet Peas" is exhausted. We are rewriting and enlarging this and we hope time will permit us to have it ready for you next winter.

WE TAKE THIS OCCASION TO THANK THE TRADE FOR ITS GENEROUS APPRECIATION OF OUR WORK.

GEO. J. BALL ^{NEW ADDRESS} **WEST CHICAGO, ILL.**
 WEST CHICAGO IS LOCATED 10 MILES WEST OF GLEN ELLYN AND 35 MILES
 WEST OF CHICAGO, ON ROOSEVELT ROAD.

Our Finest New Winter Peas

WHETHER you are a wholesale grower or plant a bed for retailing, the growing of inferior kinds with so many fine new ones available is clearly not good business. We devote much valuable greenhouse space and time to breeding new varieties and testing those of all responsible raisers.

While our findings might not always agree with all sections because of varying conditions and demands, when they cover two and three seasons, as they generally do, these trials can be depended upon.

BALL ROSE OUR FINEST WINTER PEA



BALL ROSE.

Though introduced by us two years ago, we head the list of new kinds with it because of its outstanding value. It is a beautiful, clear, deep rose with just enough of an amber blush to heighten the deep rose effect. BALL ROSE outclasses every shade of rose among early-flowering sweet peas. Its color is so bright that all the regular rose colored kinds are dull and faded by comparison. Besides its attractive color, it is produced on extra long stems and is unusually free flowering.

Since the introduction of Ball Rose several new kinds in this color class have been released, but we find none measure up to Ball Rose for color, stem and free flowering.

To care for our customers who wish to sow this very early, we have reserved a limited amount of seed from which we can make immediate delivery. New crop of seed will be ready late in July. Please state when you wish to sow.

1 oz., \$1.00

4 oz., \$3.50

1 lb., \$10.00

BALL ORANGE.

Probably the most glowing and attractive color we have in early sweet peas, which is a deep, even orange self without a trace of dark or uneven shading. This is a particularly valuable variety to sow after mums for spring blooming, as the color seems to fairly radiate under the hottest sun of spring without showing a trace of burning; it is strictly a greenhouse variety, for the color burns outdoors.

BALL ORANGE is a selection made by us four years ago from Eldorado. The character of its growth is identical with that variety, including its habit of producing but two and three blooms on a stem. At the last Chicago spring flower show the color of BALL ORANGE was the center of attraction and it has been awarded the highest recognition wherever shown, including the Gold Medal of the S. A. F. at the Louisville show. Stock will be ready for shipment late July.

½ oz., \$1.00 1 oz., \$2.00 4 oz., \$7.00 1 lb., \$24.00

BALL'S BLUE (SPENCER TYPE).

A large, clear, even blue of vigorous growth and very free-flowering habit. The color is free of any trace of mauve or dark shading and this clear color is uniformly held under all weather conditions.

This entirely replaces Blue Bird with us because the growth is not so tall and soft, and for this reason it is not so much inclined to drop its buds during midwinter. With the higher temperature of spring, Blue Bird becomes heavily shaded, almost becoming a bicolor.

BALL'S BLUE is uniformly blue at all times. Our supply of this variety is entirely exhausted and the new crop will not be ready until July 15.

1 oz., 85c 4 oz., \$3.00 1 lb., \$10.00

BALL'S BLUE (UNWIN TYPE).

This is the original type of BALL'S BLUE; the Spencer type we are offering is a selection from this one. Most growers, including ourselves, really find this Unwin type the more profitable of the two because of the greater number of flowers it produces. While it might not be quite so large as the Spencer form, it requires expert comparison to note the difference, which is more than balanced by the greater freedom of blooming. We have a limited amount of stock of this for immediate shipment.

1 oz., 75c 4 oz., \$2.50 1 lb., \$8.00

EARLY SPRINGSONG.

This is a Morse production that we have grown and carefully watched for two seasons, and we are sure of the commercial value of its original color and free-flowering habit.

SPRINGSONG is an extra large, well waved salmon pink color. The color is a live, sparkling one that we find attractive even under midwinter conditions. The rich rose shade predominates, and when this is combined with its strong growth and extra free-flowering habit, we have a first-class commercial variety. **READY LATE JULY.**

½ oz., \$1.00 1 oz., \$2.00 4 oz., \$7.00 1 lb., \$25.00



A FIELD OF THE NEW EARLY SWEET PEA SPRINGSONG.

WHITE HARMONY.

This new early sweet pea has been grown extensively by us the past three seasons and we do not hesitate to recommend it as the last word in early whites. Even though it were white-seeded we should prefer it for its long stem—which it holds—and its extra large flower and pure color.

Aside from these fine points, the fact that it is black-seeded and therefore as easily germinated as others, assures for WHITE HARMONY the head of the list of fine whites. The loss and delay that frequently attend the growing of white-seeded sweet peas because of their rotting is a well known one to sweet pea growers. Not only is this loss overcome in this variety, but its extra size and long stem will be sure to make it the standard white.

Last season all the available supply was sold by September. We hope to have a larger stock this season and to have seed ready for shipment when this catalog is received.

1 oz., \$1.00

4 oz., \$3.00

1 lb., \$12.00

EARLY GIANT ROSE.

This new variety is well named, for the flowers are magnificent in size and color, which is a bright, clear, sparkling rose. It is more inclined to produce four flowers to a stem than most varieties. We have grown EARLY GIANT ROSE for three years and we are very sure that it is the finest of all the regular rose colors. For color, size and strong growth, EARLY GIANT ROSE is outstanding.

1 oz., \$1.00

4 oz., \$3.00

1 lb., \$12.00

Winter Peas

"All the Best" Standard Varieties

While we spend time freely improving and trying out new varieties of early sweet peas, we realize the utmost importance of our list of standard kinds. The commercial and comparative value of every kind on this list is carefully and continually watched by us and as nearly as we can make it, this list contains "all the best and nothing else."

$\frac{1}{2}$ oz. of any variety at oz. prices.

BLANCHE FERRY PINK.

COLUMBIA. Originated and introduced by us in 1918, it at once replaced all varieties of this type and continues to have the field to itself in this color, which is a combination of white and pink.

1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.00.

ROSE PINK.

BALL ROSE, EARLY GIANT ROSE and SPRINGSONG will be found listed under new varieties, pages 3, 4 and 5.

BALL'S ROSE QUEEN. Originated by us and introduced in 1924 and is a cross between Zvolanek's Rose and Rose Queen, combining the valuable points of both without the defects of either. The flowers are extra large, well waved and a beautiful soft rose color. The growth is very vigorous, making it free-flowering. We have a fine supply of this ready for immediate shipment.

1 oz., 65c; 4 oz., \$2.00; 1 lb., \$7.00.

SUPERIOR PINK. Rich dark rose with a light salmon suffusion. The flowers are extra large, well waved and freely produced on fairly long stems.

1 oz., 65c; 4 oz., \$2.00; 1 lb., \$7.00.

ZVOLANEK'S ROSE. Large, deep rose with a fairly long stem. The color and size have made this a popular variety for many years past. All the varieties we offer of this color have a longer stem with the same color. Our stock of this is carefully selected.

1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

ROSE QUEEN. The finest light rose pink; extra long stem, size and growth. **BALL'S ROSE QUEEN** is preferred for better color.

1 oz., 40c; 4 oz., \$1.50; 1 lb., \$5.00.

JEANNE MAMITSCH. A very good rose selected from **ROSE QUEEN**. About the shade of **ZVOLANEK'S ROSE**. Extra long stem. In size and form it is fairly good.

1 oz., 65c; 4 oz., \$2.25; 1 lb., \$7.00.

FAIR MAID. Blush or light pink, almost too light in color for dark mid-winter conditions, but because of its long stem and pleasing color it is very fine for planting late to flower in spring.

1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.50.

LOUISE GUDE. A very good free flowering rose.

1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.50.

PINK CHEROKEE. We find this the most attractive of the bright cream pinks, the pink being strong enough to make it decidedly attractive; large-flowering and long-stemmed.

1 oz., 65c; 4 oz., \$2.00; 1 lb., \$7.00.

LAVENDER.

HARMONY. Extra large, clear lavender, with fine growth and long stems. Regarded by most growers as the finest in this color.

1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

LAVENDER KING. Not quite so large as Harmony, but free-flowering. A first-class commercial lavender.

1 oz., 50c; 4 oz., \$1.75; 1 lb., \$5.50.

SWEET LAVENDER. A very fine, even lavender, with a fairly long stem. We like this variety because the growth is not so tall as most kinds and for that reason can be used where head room is limited.

1 oz., 50c; 4 oz., \$1.75; 1 lb., \$5.50.

QUAKER LADY. A soft lavender, slightly tinged violet. Very free-flowering.

1 oz., 40c; 4 oz., \$1.50; 1 lb., \$5.00.

BLUE.

BALL'S BLUE. Will be found listed under new varieties on page 4.

BLUE BIRD. A large, extra long-stemmed blue that holds its color well throughout the winter months, but shows considerable dark or mauve shading during the spring months.

1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

TRUE BLUE. A fine, clear, even blue of fair size and free-flowering habit.

1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.50.

BLUE JACKET. Rich, dark navy blue.
1 oz., 40c; 4 oz., \$1.50; 1 lb., \$5.00.

SILVER BLUE. A delicate lavender blue, with extra long, graceful stems. Finest in this color.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

MRS. HARDING. This is the famous Harding, or silver blue. It is slightly tinged with rose, giving it a very bright effect.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

WHITE.

WHITE HARMONY will be found listed under new varieties on page 5.

SNOWSTORM. The standard clear white-seeded white; of good texture.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

WHITE STAR. A very free-flowering black-seeded white. We find **WHITE HARMONY** much purer in color, and larger.
1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.50.

ORANGE AND SALMON.

BALL'S ORANGE will be found listed under new varieties on page 4.

BURPEE'S ORANGE. Clear, rich orange throughout the standard and wings. With a reasonable amount of sunshine, the color holds well during the dark months and is particularly fine during the spring.
1 oz., 65c; 4 oz., \$2.50; 1 lb., \$8.00.

MRS. KERR. Clear, rich, even salmon. Except during periods of excessively dark weather or extreme heat, this represents one of the most delightful colors in early sweet peas.
1 oz., 65c; 4 oz., \$2.50; 1 lb., \$7.00.

ELDORADO. A rich salmon with an orange suffusion that does not easily fade or burn. An outstanding color and produces a fairly good stem.
1 oz., 75c; 4 oz., \$2.50; 1 lb., \$8.00.

SCARLET AND CERISE.

VULCAN. Brilliant scarlet orange, the most vivid dash of color on the early-flowering list. Produces a good growth with fairly long stems.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

EARLY BRIGHT LIGHT. For brightness of color this is a distinct improvement on **Vulcan**. The brightest sweet pea we know of.
1 oz., \$1.00; 4 oz., \$3.50; 1 lb., \$12.00.

GRENADIER. Brilliant poppy scarlet color, with an extra long, graceful stem. Both for color and long stems this variety is sensationally fine, but it represents a color that wholesale markets do not care for in large quantities.
1 oz., 65c; 4 oz., \$2.25; 1 lb., \$8.00.

FLAMINGO. Extra large, orange suffused salmon rose, with extra long stems; very fine during the spring months.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

GORGEOUS. Large salmon cerise with long stems and vigorous growth.
1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.50.

GLITTERS. Fiery orange scarlet. One of the finest in this color.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

MISCELLANEOUS COLORS.

CHEVALIER. Extra large, bold, deep rose; vigorous growth and extra long-stemmed. The full depth of this color can only be had in the spring, but we find it an attractive dark rose color throughout the depths of winter.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

GLORIOUS. Clear rosy purple color; the best available in this color class. We cannot recommend it as a good commercial one.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$5.00.

YARRAWA. In a list of ‘‘all the best and nothing else’’ this old variety is almost out of order, but we regularly receive calls for this long-stemmed rose and cream-colored variety.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$5.00.

AURORA. We are obliged to give up this variety because of difficulty of germinating the seed.

HARLEQUIN. Striped or flaked deep chocolate. Not to be grown in quantity, but we can recommend it as a striking novelty.
1 oz., 50c; 4 oz., \$1.75; 1 lb., \$5.00.

EARLY MEADOW LARK. We occasionally receive calls for a good clear cream in early peas and this variety is the best to be had in this color.
1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.00.

‘‘ALL THE BEST’’ MIXTURE. This is a carefully balanced mixture of standard named varieties, including a good proportion of choice light colors, and is intended for the grower whose planting is limited.
1 oz., 40c; 4 oz., \$1.50; 1 lb., \$4.00



A CALIFORNIA FIELD OF OUR SWEET PEAS FOR SEED

Late, or Summer Flowering Peas

THIS is the original type of sweet peas, from which, about twenty-five years ago, the early or winter-flowering type was evolved. The growth is heavy and very strong, and for this reason is generally preferred for outdoor growing. Both market and retail growers find them valuable in every state of this broad country of ours if properly managed.

In the northern border states and Canada, where summers are not too long and hot, they can be sown outdoors early and will flower freely throughout the summer. In the latitude of Chicago we sow February 1 in the greenhouse in pots and plant out early in April. In the southern states they are sown late in the fall and after they are up several inches they are easily and safely protected against considerable freezing by covering with any loose material, the important point being to prevent too much freezing and thawing and to prevent the sun thawing too rapidly. Nothing is so valuable as a covering of snow.

Along with all peas planted under glass after mums or later we use this late type, planting them ten or twelve inches apart in the row. They are so much stronger than the early kind that they are easily able to overwhelm them after the early ones are finished. With this plan the crop is prolonged through June and peas are valuable throughout this month.

Late, or Summer Flowering Peas

A LIST of “all the best and nothing else” in this type of peas is almost impossible because of varying demands. Many of our finest clear orange and salmon colors burn badly outdoors and are worthless unless shaded. The varieties we consider the best for cut-flower purposes are noted with a star *.

*PINKIE.

“WE STAND BEHIND IT,” not only because we carefully watched it in California, but because we have grown it at home for two seasons, where we had it alongside all others in its color class. It is an extra large and extra deep rose pink borne on long, graceful stems and the growth is very vigorous. We are sure PINKIE will stand as the last word in the deep rose pink class of late-flowering peas. The following prices are for the new crop ready in November.

½ oz., 50c; 1 oz., \$1.00; 4 oz., \$3.00;
1 lb., \$10.00.

The following is the standard list in the late summer varieties of peas:

*HEBE. The standard rose pink.

HAWLMARK PINK. Deep rose pink shaded salmon.

ELFRIDA PEARSON. Finest clear light pink.

MARGARET ATLEE. Standard cream pink.

*MISS CALIFORNIA. Extra fine, bright rose shaded salmon.

MARY PICKFORD. Finest cream pink.

MRS. CUTHBERTSON. Pink and white bicolor.

SUPREME. Large bright shell pink.

YOUTH. Light bicolor pink; very attractive.

*CONSTANCE HINTON. Standard black-seeded white.

*EDNA MAY IMPROVED. Finest white-seeded white.

*POWERSCOURT. Finest clear lavender.

*AUSTIN FREDERICK IMPROVED. Finest rosy lavender.

HAWLMARK LAVENDER. Best light lavender.

*BLUE BIRD. The finest clear blue.

MRS. TOM JONES. Standard blue.

COMMANDER GODSALL. Deep violet blue.

CRIMSON KING. Extra fine sunproof crimson.

*ROYAL SCOT. Orange scarlet; sunproof.

CAMPFIRE. Finest sunproof scarlet.

ROYAL PURPLE. Large rich purple.

WARRIOR. Deep bronze maroon.

MATCHLESS. Clear deep cream.

Prices on all the above list: ½ oz., 15c; 1 oz., 25c; 4 oz., 75c; 1 lb., \$2.50.

NOTE: The 4-oz. or 1-lb. price does not apply to orders made up of more than one kind; for instance, if 4 oz. or 1 lb. of two, three or more kinds are ordered, the full 4-oz. or lb. price on each should be allowed.

“ALL THE BEST” MIXTURE of late or summer-flowering kinds. Ours is a carefully balanced mixture of all the best cut flower colors and is priced at:

1 oz., 20c; 4 oz., 65c; 1 lb., \$2.00; 5 lbs., \$9.00.



Pinkie as grown by d.sbudding or cordonizing.



100% True Gold

ONE OF OUR FIELDS OF OUR NEW STRAIN OF GOLD CALENDULA.
To insure our supply we have three such lots of this strain growing in California. Photographed at
Salinas, Calif., June 1, 1928.

BALL Calendula Standard of the World!

WELL grown disbudded Ball Calendula during the months of December, January, and February are a valuable crop. During these months production in all lines of cut flowers is at its lowest ebb and prices are firm.

Early sown Calendula are in full crop during these months. They supply rich, colorful effects that can be found in no other flower at this time. Since the embargo on bulbs has so greatly increased their price, the real midwinter value of Calendula, especially the Gold, is being appreciated. While the seed for a bench might cost a dollar or two, bulb bills run into substantial sums and frequently enough are a failure or partially so.

With a light, cool, well aired house and ground beds **BALL** Calendula are a sure crop. They should be kept as cold as open ventilators will keep them until they get into crop, or real winter sets in, after which they should have a violet house temperature.

Long-stemmed Calendula cannot be grown on a raised bed of five or six inches of soil and a carnation house temperature. To have them at their best during midwinter, seed should be sown July 25 in our latitude and late August or September in the south. **BALL CALENDULA** has been a profitable crop for everyone in any way connected with it and through careful breeding work on stock seed and close inspection of our seed fields, we intend to keep it a profitable crop.

GOLD IMPROVED STOCK. The picture on this page gives a very good impression of the fine size of this variety. The stock is practically 100% true to color, which is a rich, deep, even golden yellow. The flowers are extra large and are borne on extra long stems.

BALL Calendula

ORANGE IMPROVED STOCK. The flowers of this strain are extra large and deep, with a strong, glowing orange color. When grown under proper conditions—low temperature and a light house—it will come fully 99% double. The growth is somewhat more compact than our original stock, but when well grown the stems are plenty long and the flowers are decidedly larger than the Original Stock.

ORANGE ORIGINAL STOCK. Most growers prefer the Improved Stock in our orange and we use it on all orders calling for orange unless Original Stock is specified. We have stock on hand of the original for growers who prefer it.

BALL'S SUPREME. This new type of growth and flower we find very fine, especially for midwinter flowering. It is generally preferred to the regular orange

and this preference, combined with its freer-flowering habit, induces us to use it almost exclusively for orange. The color is known to artists as cadmium orange, which is enriched in this new variety by a dark brown center. The flowers are not quite as large as the Ball Orange or Gold, but this is more than balanced by freer production.

Prices on all BALL CALENDULA, including our new BALL'S SUPREME: $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., \$1.00; $\frac{1}{2}$ oz., \$2.00; 1 oz., \$3.00. No reduction in price on lots of more than 1 oz. except on Orange Improved, which is 2 oz. for \$5.00.

LEMON QUEEN. Though not a BALL CALENDULA, we have a strain of this that comes quite large and double, and where a lighter shade or a lemon yellow is wanted we recommend this stock.

TRIANON. This is a nice apricot color, quite small, but generally double and freely produced.

NANKEEN. Another apricot, but with a slight rose flush, especially when grown outdoors.

It must be remembered that both TRIANON and NANKEEN are small and short-stemmed. We find that a raised or shallow bench checks the growth some and forces freer production. They also have value for bedding out where summers are not too prolonged and hot.

Prices on LEMON QUEEN, TRIANON and NANKEEN; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 50c; 1 oz.,



HOUSE OF BALL GOLD CALENDULA.



12,000 SQ. FT. of AMERICAN STOCKS GROWN ON SINGLE STEM OR CLOSE PLANTING METHOD.
PHOTO JUNE 1, 1928, AT BALL GARDENS, WEST CHICAGO, ILL.

American Stocks

BECAUSE of the fine, long-stemmed types that are available with a good percentage of doubles and because it requires but three months from planting seedlings to develop a crop, our strains of Perpetual, Nice and Bismarck Stocks will be found valuable for cut-flower purposes. We very carefully try out all strains and colors of Stocks from all sources, not only for the benefit of our seed trade, but for our large cut-flower interest as well, and we are just as sure as it is possible to be that the varieties are up to our high standard, because a trial of every bag of seed we sell from is tested for its percentage of doubles, removing every element of chance. As growers, we fully appreciate the loss a grower sustains with a lot of single Stocks and this is an important matter in these days of close margins. With the system of growing Stocks that we practice, we find them a really worth-while crop and decidedly more profitable than the old plan of liberal spacing and topping. We publish a leaflet fully detailing our method of handling this important specialty, as well as all available general information of interest to growers. We will gladly furnish you with a copy on request.

THE following list is made up from our extensive trials of the past season and we know from experience the value of every one of them. In close planting for single stems we find little difference in the habits of any of the three cut flower classes, except that the Bismarck group is not quite as branched, which is an advantage in close planting, and also this group is about a week earlier than the Nice or Perpetual Branching kinds. The Ten Weeks class are quite dwarf, but well branched and are valuable only for pot plants or bedding. For the benefit of our customers who are not familiar with the different varieties, we have starred (*) those we have found most valuable.

All the Best in Florists' Stocks

PERPETUAL BRANCHING (Giant Perfection)

A valuable group that produces extra long stems and is of strong branching habit.

SNOWDRIFT. Fine, large, clear white.

PRINCESS ALICE. Early white; not suitable for single-stem planting.

LA FRANCE. Blush; nearly clear white; extra long-stemmed.

***ROSE.** Rose pink; fine standard color.

***HEATHAM BEAUTY.** Rose shaded terra cotta; extra fine.

MAY QUEEN. Extra long-stemmed dark lavender.

***EMPRESS AUGUSTA VICTORIA.** Silvery or light lavender; fine.

SAPPHIRE. Strong dark purple.

BEAUTY OF NICE

For long stems and branching habit, this group is very fine, closely resembling the Perpetual Branching in growth.

***MONT BLANC.** One of the finest whites.

***SUMMER NIGHT.** Deep blue or purple; extra early.

MONTE CARLO. Light or canary yellow.

***AURORA.** Golden buff shaded rose; extra fine.

SOUV. DE MONACO. Best crimson; very late.

SALMON KING. Salmon rose; strong growth and color.

COTE D'AZURE. Fine light blue or lavender.

AMERICAN BEAUTY. Deep rose pink.

BEAUTY OF NICE. Fine soft pink.

Prices on all PERPETUAL BRANCHING and BEAUTY OF NICE varieties: $\frac{1}{8}$ oz., **35c**; $\frac{1}{4}$ oz., **75c**; $\frac{1}{2}$ oz., **\$1.00**; 1 oz., **\$2.00**.

“ALL THE BEST” MIXTURE of either the PERPETUAL or NICE group: $\frac{1}{8}$ oz., **35c**; $\frac{1}{4}$ oz., **60c**; $\frac{1}{2}$ oz., **\$1.00**; 1 oz., **\$2.00**.

IMPROVED BISMARCK

A few varieties in this group, notably the White Bismarck, are a week to ten days earlier than either the Nice or Bismarck. The Bismarck do not branch as freely as either of these two, and this habit, combined with their long-stemmed growth, makes the Bismarck type especially desirable for cut flower growers.

WHITE. Extra early, clear white.

***ROSE.** Fine clear rose.

LILAC. Rich lilac lavender.

***LAVENDER.** Fine clear lavender

CHAMOIS. Ivory tinted old rose.

GOLDEN BALL. Clear, rich ivory yellow.

Prices on all IMPROVED BISMARCKS:

$\frac{1}{8}$ oz., **40c**; $\frac{1}{4}$ oz., **75c**; $\frac{1}{2}$ oz., **\$1.25**; 1 oz., **\$2.50**

“ALL THE BEST” MIXTURE of BISMARCKS:

$\frac{1}{8}$ oz., **40c**; $\frac{1}{4}$ oz., **75c**; $\frac{1}{2}$ oz., **\$1.25**; 1 oz., **\$2.50**

TEN WEEKS STOCKS

Of dwarf compact growth and branching habit. Fine for pot plants, but not long-stemmed enough for cut flowers.

BLOOD RED.

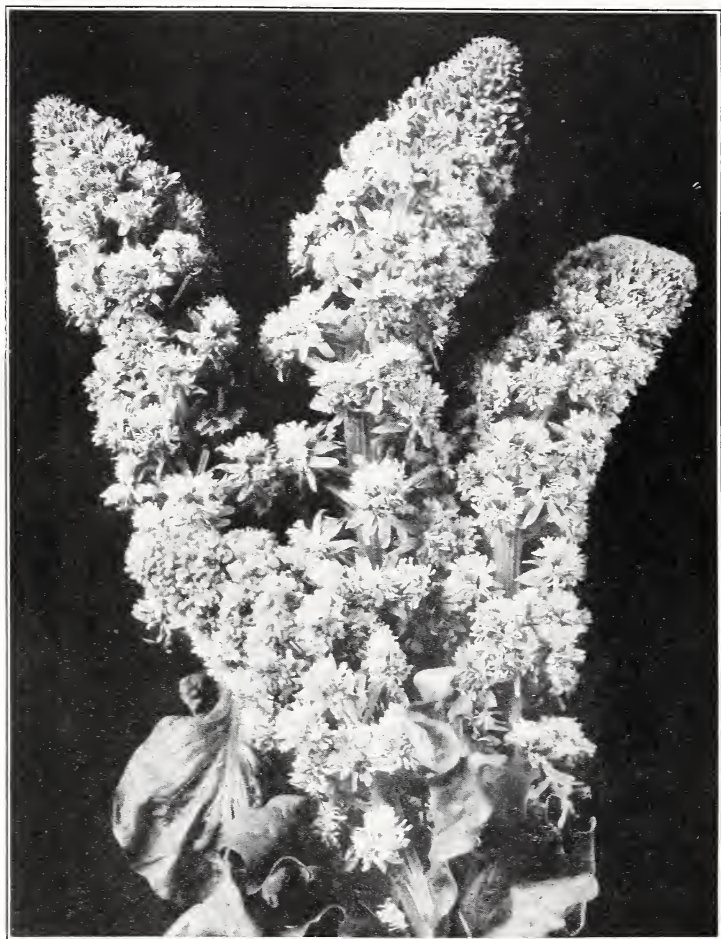
WHITE.

LAVENDER.

Prices on TEN WEEKS colors: $\frac{1}{8}$ oz., **40c**; $\frac{1}{4}$ oz., **75c**; $\frac{1}{2}$ oz., **\$1.25**; 1 oz., **\$2.50**.

“ALL THE BEST” MIXTURE of TEN WEEKS colors: $\frac{1}{8}$ oz., **35c**; $\frac{1}{4}$ oz., **60c**; $\frac{1}{2}$ oz., **\$1.00**; 1 oz., **\$2.00**.

“PROFITABLE STOCKS”
is the title of a leaflet for
the grower of this crop who
is not familiar with it. We
will gladly send you a copy.



BALL Mignonette

THIS is an ideal cut flower growers' strain that we have bred up through single plant selection and that we are this season able to release. It is a strong upright-growing type, producing heavier flower spikes than New York Market. The color is decidedly lighter than that variety and for this reason we find it much preferred as a cut flower. It has the further advantage of being about two weeks earlier in developing its flowers. From every point of view we find it superior to New York Market. While we do not advise growing a large quantity of mignonette, we do find our market uses a considerable amount when well grown, and this calls for a low temperature, deep ground beds and careful attention to keeping it well supported.

Prices: Trade pkt., \$1.00; ¼ oz., \$2.00; ½ oz., \$3.00; 1 oz., \$6.00.

For those who wish to compare the two, we have a very good select greenhouse strain of New York Market, priced at: Trade pkt., \$1.00; ¼ oz., \$2.00; ½ oz., \$3.00; 1 oz., \$5.00.

Valuable Flower Seed Specialties

THE following items are a few cut flower specialties that we find of value and should be of interest to all cut flower growers, whether for retail or market. We grow all these items and know their value. We wish to call particular attention to the Umbellata, or colored type of candytuft. To plant after mums and up to March, we find them distinctly valuable, especially where head room is limited.

CANDYTUFT

GIANT HYACINTH-FLOWERED. This is of a strong type of growth, producing heavy individual spikes of pure white flowers. This is an improvement on the old type known as Empress and the stock we are offering is very carefully selected.

Trade pkt., 25c; 1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00

UMBELLATA, OR COLORED CANDYTUFT. We know of nothing easier to grow or more profitable. Should not be planted earlier than after mums. Grows from 1 to 3 ft. high, depending on how early it is planted. The best colors are carmine, crimson, albida or pure white, lavender, flesh pink, lilac and rose cardinal. All except rose cardinal are priced as follows:

1 oz., 30; 4 oz., \$1.00; 1 lb., \$3.50

Rose Cardinal is the brightest color on the list and is priced as follows:

1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00

GYSOPHILA ELEGANS — PARIS MARKET. This item is grown and used in large quantities. For combining with other flowers, it effectively takes the place of greens in any kind of cut flower work. A shallow bench or flat should be used in growing under glass, used largely as an outdoor or summer crop. Priced at: 1 oz., 25c; 4 oz., 75c; 1 lb., \$2.00; 5 lb., \$8.00.

GYSOPHILA PANICULATA FL. PL. (HARDY DBL.) . . We shall have an exceptionally fine stock of this from a new crop of seed, which will be ready in October and will be priced at:

Trade Pkt., 50c; ¼ oz., \$2.00; ½ oz., \$3.50; 1 oz., \$6.00

SHASTA DAISY ALASKA. While not dependably hardy for more than 2 or 3 years in our climate, we find this a profitable outdoor crop. Our strain of this is extra select.

Trade pkt., 50c; 1 oz., \$2.00.

GAILLARDIA GRANDIFLORA. (HARDY GAILLARDIA.) For cut flowers, hardy gaillardias are indispensable and perfectly hardy everywhere. Indispensable for either the retail or market grower.

Trade pkt., 25c; 1 oz., 50c; 4 oz., \$1.75; 1 lb., \$6.00.

DAZZLER. This is an extra select large flowering strain of hardy gaillardia. We find it a substantial improvement over the regular strain. Ready in Sept.

Trade pkt., 50c; 1 oz., \$1.00.

COREOPSIS LANCEOLATA GRANDIFLORA. This bright yellow hardy perennial we find necessary to treat as a biennial, making a new sowing every season.

½ oz., 25c; 1 oz., 50c.

COREOPSIS FL. PL. (DBL. FLOWERING). Exactly the same color and form and as easily grown as is the single type. Comes 50% to 60% double flowered, giving it a distinctive appearance.

¼ oz., **35c**; ½ oz., **60c**; 1 oz., **\$1.00**

PERENNIAL DELPHINIUMS. This is one of the leading specialties at our BALL GARDENS, West Chicago, Ill. We grow them extensively for cut flowers, forcing plants and seed. For cut flowers we find Belladonna decidedly the choicest. While the various foreign Hybrid strains offered are fine under favored conditions, Belladonna remains the standard commercial delphinium.

	¼ oz.	½ oz.	1 oz.
BELLADONNA	85c	\$1.50	\$2.50
BELLAMOSUM	85c	\$1.50	\$2.50
GOLD MEDAL HYBRIDS. .	75c	\$1.25	\$2.00

SNAPDRAGONS (ANTIRRHINUMS)

Our snapdragon trials of the past season have been of considerable interest to us, as we have found a number of choice new colors and these will be added to our list as the new seed crops develop. We have stock of the following ready for shipment.

CLIMAX. Orange shading to yellow.

EMPRESS. Rich velvety crimson.

FAWN. Terra cotta pink and yellow.

GLORIA. Fine deep rose pink.

GOLDEN QUEEN. Good clear yellow.

PURITY. Finest really pure white.

Priced at: Trade pkt., **25c**; ½ oz., **75c**; 1 oz., **\$1.50**.

SILVER PINK. Bright clear rose pink and priced at: Trade pkt., **50c**; ½ oz., **\$1.00**; 1 oz., **\$2.00**.

NELROSE. Deep rose pink. Priced the same as SILVER PINK.

We can supply the following well known varieties in their originators' sealed pkts.:

PHILADELPHIA PINK.....	\$1.00 per pkt.
JENNIE SCHNEIDER	\$1.50 per pkt.
WHITE ROCK	\$1.00 per pkt.

STEELE PANSIES.

Supplied us direct by Mr. Steele. As far as we are able to determine from careful comparison, especially with foreign stock, the Steele mixture known as "Mastodon Miracle Mixed" is the finest long-stemmed stock available. We grow this strain for midwinter flowering, giving it a well exposed bench and a night temperature of 50 degrees, which gets them in crop in midwinter. "Mastodon Greenhouse Special" is also a good forcing strain, but we recommend it for outdoor work, the Miracle mixture being decidedly better for forcing because of extra long stems.

Miracle Mixed. 1-16 oz., **85c**; 1-8 oz., **\$1.50**; ¼ oz., **\$2.75**; ½ oz., **\$5.25**; 1 oz., **\$10.00**; 2 oz., **\$19.00**.

Mastodon Greenhouse Special. 1-16 oz., **65c**; 1-8 oz., **\$1.00**; ¼ oz., **\$1.75**; ½ oz., **\$3.25**; 1 oz., **\$6.00**; 2 oz., **\$11.00**.